

How to Report Non-Diesel and Non-Standard Engines

To report a vehicle with a non-diesel engine or a diesel engine certified to a different standard than typical, based on the horsepower and tier standard in effect for the model year (i.e., a non-standard engine), a fleet will need to determine which category the vehicle falls under and must verify that the vehicle meets the required criteria, as outlined in the Frequently Asked Questions (FAQs) on Emission Factors, available at <http://www.arb.ca.gov/msprog/ordiesel/documents/emissionfactorsfaq.pdf>.

Non-Diesel Engine Categories

There are 10 non-diesel engine categories:

- **Diesel Converted to Alt-fuel:** Vehicles in this category contain diesel engines that have been converted to run on an alternative fuel (such as propane, natural gas, etc.), but are not certified to meet a different standard.
- **Electric:** Electric motors in this category must be 25 horsepower (hp) or greater.
- **Electric (Replaced Diesel):** Electric motors in this category do not have to be 25 hp or greater, but the electric vehicle must serve as a replacement and perform work equivalent to a diesel vehicle that was 25 hp or greater. When an electric vehicle is used as a replacement for a diesel vehicle, the fleet may use the max hp of the diesel vehicle as the electric vehicle's max hp rating.
- **Other Alternative Fueled Engines, which include:**
 - Ethanol
 - Fuel Cells
 - Gasoline
 - Hydrogen
 - Methanol
 - Natural Gas
 - Propane

When reporting diesel engines converted to alternative fuel, electric vehicles used to replace diesel vehicles, and gasoline engines, fleets must enter the hp of the diesel vehicle/engine that was replaced and the date the diesel vehicle/engine was replaced. For more information, please see the Emission Factors FAQ referenced above.

Non-Standard Engine Categories

There are four categories for engines certified to a different standard:

- **Consent Decree:** Vehicles with consent decree engines have engines certified to a more stringent emission standard than required for the engine's model year and hp (e.g., the engine is certified to Tier 3 standards when based on model year, it was only required to be certified to Tier 2 standards).

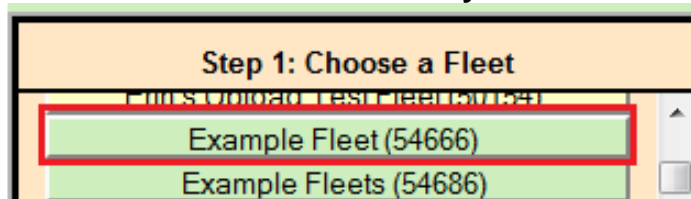
- **Flexibility:** Vehicles with flexibility (flex) engines have engines that were produced by engine manufacturers to a less stringent emission standard after a new tier of emission standards went into effect (e.g., the engine is certified to Tier 2 standards after Tier 3 standards became effective). The purpose of flex engines is to provide manufacturers more time to redesign their vehicles and/or engines to meet the newer, more stringent emission standards.
- **On-Road:** For off-road vehicles that have been repowered with on-road engines, or for on-road two-engine vehicles, fleets may use the emission standard for the on-road engine when calculating its fleet average. For more information on repowering off-road vehicles with on-road engines, please see our Frequently Asked Questions on On-Road Engines in Off-Road Vehicles at <http://www.arb.ca.gov/msprog/ordiesel/guidance/onroadengineadvisory.pdf>.
- **Rebuild:** Engines that have been rebuilt and certified to meet more stringent emission standards fall under this category. Engines that have been repaired or rebuilt to their original emissions configuration do not fall under this category.

With the exception of flex engines, fleets are required to report the appropriate Executive Order (EO) number for each non-standard engine.

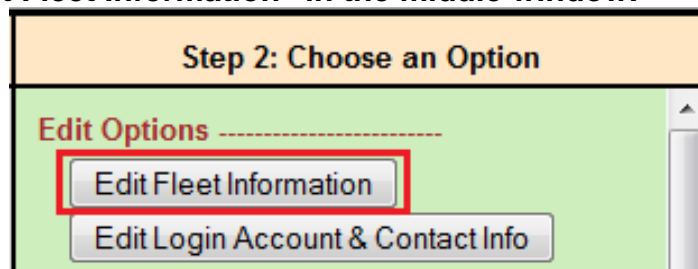
Reporting Non-Diesel Engines

To report a vehicle with a non-diesel engine, there are two reporting pages that must be completed: the vehicle & engine page and the non-diesel engine page. The steps for completing these pages are as follows:

1. Log into your DOORS account and select your fleet in the left window.



2. Select "Edit Fleet Information" in the middle window.



3. Select “Vehicle & Engine” at the top of the page. Alternatively, if you are reporting an existing vehicle that has been repowered with a non-diesel engine, select “Engine Repower” at the top of the page.

4. When entering the engine information, select the appropriate non-diesel engine category from the drop-down menu.

Non-Diesel Engine

No

No

Diesel Converted to Alt-fuel

Electric

Electric (Replaced Diesel)

Ethanol

Fuel Cells

Gasoline

Hydrogen

Methanol

Natural Gas

Propane

5. Select “Enter Vehicle & Engine Data” on the Vehicle & Engine page or “Repower Engine” on the Engine Repower page to save your changes.

Enter Vehicle & Engine Data

Repower Engine

6. Select “Non-Diesel Engine” at the top of the page.

7. Select “Edit” next to the non-diesel vehicle.

		Vehicle Information						Engine Information							
	Line #	EIN	Veh Serial #	Your Veh #	Veh Type	Veh Manufacturer	Veh MY	Eng Manufacturer	Eng MY	Eng HP	Eng KW	Eng Family	Non-Diesel Engine	EO #	Emission Standard (NOx)(g/bhp-hr)
Edit	1	CF5L94	0123456789		Bore/Drill Rigs	CASE	2006	CASE CORPORATION	2006	1000	740		Electric (Replaced Diesel)		

- For diesel engines converted to alternative fuel, electric vehicles used to replace diesel vehicles, and gasoline engines, enter the horsepower of the diesel vehicle/engine that was replaced, the date of replacement, and for gasoline only, enter the EO number, then select “Enter Data” to save the changes.

Vehicle Information						Engine Information									
EIN	Veh Serial #	Your Veh #	Veh Type	Veh Manufacturer	Veh MY	Eng Manufacturer	Eng MY	Eng HP	Eng KW	Eng Family	Non-Diesel Engine	EO #	Emission Standard (NOx)(g/bhp-hr)	Diesel HP Replace	Date Replace (yyyy-mm-dd)
CF5L94	0123456789		Bore/Drill Rigs	CASE	2006	CASE CORPORATION	2006	1000	740		Electric (Replaced Diesel)		*		0000 - 00 - 00

*To enter the Emission Standard, please call the DOORS hotline at 877-593-6677 or email doors@arb.ca.gov.

- For all non-diesel engines except electric, contact ARB staff on the DOORS Hotline at 1-877-59DOORS (1-877-593-6677) to have your engine’s NOx standard entered.

Reporting Non-Standard Engines

To report a vehicle with a non-standard engine, there are two reporting pages that must be completed: the vehicle & engine page and the non-standard engine page. The steps for completing these pages are as follows:

- Log into your DOORS account and select your fleet in the left window.

Step 1: Choose a Fleet

Example Fleet (54666)

Example Fleets (54686)

- Select “Edit Fleet Information” in the middle window.

Step 2: Choose an Option

Edit Options -----

- Select “Vehicle & Engine” at the top of the page. Alternatively, if you are reporting an existing vehicle that has been repowered with a non-diesel engine, select “Engine Repower” at the top of the page.

- When entering the engine information, select the appropriate non-standard engine category from the drop-down menu.

Certified to a Different Standard

No

No

Consent Decree

Flexibility Engine

On-road

Rebuild

- Select “Enter Vehicle & Engine Data” on the Vehicle & Engine page or “Repower Engine” on the Engine Repower page to save your changes. No additional reporting is required for flex engines.

Enter Vehicle & Engine Data

Repower Engine

- For consent decree, on-road, and rebuilt engines, select “Non-Standard Engine” at the top of the page.

Owner Information Vehicle & Engine Engine Repower VDECS

Low-use Vehicle Funding **Non Standard Engine** Non Diesel Engine Stolen Vehicle Long-Term Rental

- Select “Edit” next to the non-standard vehicle.

Vehicle Information								Engine Information						
	Line #	EIN	Veh Serial #	Your Veh #	Veh Type	Veh Manufacturer	Veh MY	Eng Manufacturer	Eng MY	Eng HP	Eng KW	Certified to a Different Standard	Eng Family	EO #
Edit	1	SL8V79	23456789		Crawler Tractors	ABG	1996	CASE CORPORATION	1996	1000	740	Rebuild		

DOORS User Guide

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8. For consent decree, on-road, and rebuilt engines, enter the EO number and the date of rebuild (for rebuilt engines only), then select “Enter Data” to save the changes.

Vehicle Information						Engine Information									
EIN	Veh Serial #	Your Veh #	Veh Type	Veh Manufacturer	Veh MY	Eng Manufacturer	Eng MY	Eng HP	Eng KW	Certified to a Different Standard	Eng Family	EO #	Emission Standard (NOx)(g/bhp-hr)	Eng Tier	Date Rebuild (yyyy-mm-dd)
SL8V79	23456789		Crawler Tractors	ABG	1996	CASE CORPORATION	1996	1000	740	Rebuild			*	*	0000 - 00 - 00

*-To enter the Emission Standard, please call the DOORS hotline at 877-593-6677 or email doors@arb.ca.gov.

- The EO number for on-road engines can be found in the on-road engine certification database at <http://www.arb.ca.gov/msprog/onroad/cert/cert.php#6>.
 - To search for the appropriate EO number, you'll first need to select the link under the “HDE_HDV_MDE” column next to the appropriate engine model year.

Executive Orders					
Model Year	PC_LDT_MDV_MDEV	HDE_HDV_MDE	ONMC	OFMC_ATV_UV_SV_SCAR_eGC	
				Green Sticker	Red Sticker (OFMC, ATV only)
2014	07/11/13 <small>NEW</small>	07/12/13 <small>NEW</small>	07/08/13	07/08/13	06/17/13
2013	07/09/13	06/24/13	07/11/13	07/03/13	06/19/13
2012	02/13/13	12/14/12	12/31/12	12/31/12	12/31/12
2011	12/31/12	03/13/13	12/28/12	12/28/12	12/28/12
2010	12/31/12	04/04/13	12/31/12	02/07/11	11/05/10
2009	12/21/12	03/19/13	12/28/10	12/31/12	12/31/12
2008	04/19/13	07/05/12	12/31/12	12/31/12	12/21/12
2007	12/19/12	03/27/13	12/19/12	12/19/12	12/19/12
2006	12/17/12	08/04/11	12/17/12	12/17/12	12/17/12

- A list of certified on-road engines will appear, organized by engine manufacturer. You will then need to search for the appropriate EO number by engine displacement. The displacement is listed in the link name (e.g., “..._8d0_” means 8.0L displacement).

Executive Orders	
cleanfuel_hdoe_a3670021_8d0_0d20_lpg.pdf	
cleanfuel_hdov_a3670022_8d0_0d20_lpg.pdf	
ford_hdoe_a0101777_6d8_0d20.pdf	NEW
ford_hdov_a0101778_6d8_0d20.pdf	NEW

- If there is more than one EO with the appropriate displacement listed, you will need to open each link and check to see which one matches the engine family name, displacement, heavy heavy-duty diesel (HHDD) or medium heavy-duty diesel (MHDD), etc.
- The EO number can be found in the top right corner, next to the engine manufacturer.

California Environmental Protection Agency Air Resources Board	FORD MOTOR COMPANY	EXECUTIVE ORDER A-010-1777 New On-Road Heavy-Duty Engines
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- The EO number for consent decree and rebuilt engines can be found in the off-road engine certification database at <http://www.arb.ca.gov/msprog/offroad/cert/cert.php>.
 - To search the engine certification database, you'll first need to select "Offroad Compression-Ignition Engines (Diesel)".

Browse Executive Orders

Select Category

Select Category
 Large Spark-Ignited Engines
Offroad Compression-Ignition Engines (Diesel)
 Spark-Ignited Marine Engines
 Small Spark-Ignited Engines
 Small Offroad Evaporative Components

- Next, select the engine model year from the drop down menu and select "Browse".
- A list of engine manufacturers will appear and you can select a specific engine manufacturer or select "All Manufacturers", and then select "Submit".

ALL RESET

☒ ALL MANUFACTURERS
☐ AB VOLVO PENTA
☐ CASE CORPORATION
☐ CATERPILLAR, INC.
☐ CUMMINS ENGINE CO., INC.
☐ DAEWOO HEAVY INDUSTRIES, LTD.
☐ DAIHATSU MOTOR COMPANY

- You can then search the page for the appropriate EO number by referencing the engine family name.

9. For all non-standard engines except electric, contact ARB staff on the DOORS Hotline at 1-877-59DOORS (1-877-593-6677) to have your engine's NOx standard entered.

For more information on reporting, refer to our other guides, which are available in the Off-Road Knowledge Center at:

<http://www.arb.ca.gov/msprog/ordiesel/knowcenter.htm>

If you require additional assistance or information, please contact the DOORS hotline by phone at 1(877) 59DOORS (1-877-593-6677), or by email at doors@arb.ca.gov.